

**TABLE DESCRIPTIONS
FROM THE "TABLE_DESC" TABLE
IN THE SOUTHWESTERN NEVADA VOLCANIC FIELD DATABASE**

TABLE_NAME	SHORT_DESC	LONG_DESC
AGE_DATE	Age date	This table provides age dates and their uncertainties, the minerals dated, and methods employed.
ALT_LIST	Alteration	This table defines symbols that describe alteration, alteration types and groups, and qualitatively indicate a progression of alteration intensity and temperature.
ANS_LIST	Answers	This table provides answers to questions regarding analyses, procedures, or definitions.
AVAIL_LIST	Availability	This table provides symbols that describe the availability of samples, descriptions, or definitions.
CA_COMPUTE_METHOD	Computational method	This table defines the computational method used to reduce chemical analytical data into concentrations.
CA_COMPUTE_METHOD_LIST	Computational method	This table defines symbols that describe computational methods used for general types of chemical analysis to reduce the chemical analytical data into concentrations.
CA_MEASURE	Chemical data	This table provides chemical data for each sample split. Chemical data included are analyte values or lower detection limits, and analytical uncertainties. Citations for these data are provided in this table, as well as the number of replicates analyzed for each element.
CA_PREP	Sample preparation	This table represents the method used to prepare the sample for chemical analysis.
CA_PREP_LIST	Sample preparation	This table defines symbols that represent the method used to prepare a sample for chemical analysis.
CA_REP	Replicate ID	This table provides a unique laboratory ID for each replicate of a split.
CA_REP_OXIDE	Replicate ID	This table provides unique laboratory ID's for an analyte or group of analytes within each replicate of a split when analytes are not analyzed by the same method.
CA_REP_PREP	Sample preparation	This table represents the method used to prepare the sample for chemical analysis.
CA_REP_WORKER	Chemical analyst	This table defines the chemical analysts.
CA_SPL_REP	Replicate ID	This table provides a unique laboratory ID for each replicate of a split.
CA_SPLIT	Chemical analysis type	This table provides the general type of chemical analysis for each split.
CA_SUBTYPE	Type of chemical analysis	This table identifies the specific type of chemical analysis for each element.
CA_SUBTYPE_LIST	Type of chemical analysis	This table defines symbols that identify specific and general types of chemical analysis for each split.

TABLE_NAME	SHORT_DESC	LONG_DESC
CA_WORKER	Chemical analyst	This table defines the chemical analysts.
CALDERA	Calderas of the SWNVF	This table defines symbols and provides citations for calderas recognized or hypothesized within the southwestern Nevada volcanic field.
COMP_ALT_LIST	Component alteration	This table defines symbols that describe the general alteration of a mineral component. Alterations for individual grain components of the subject mineral are provided in table ma_gr_comp_texture.
COMP_LIST	Component list	This table defines symbols for components and component groups analyzed by petrography, age dating, and X-ray diffraction
END_MEMBER_LIST	Mineral end members	This table defines symbols for end members of selected minerals. Values for these end members have been calculated from analyte concentrations determined by microprobe analysis.
ERROR_METH_LIST	List of methods for analyte uncertainty	This table defines symbols that identify the method used to define analyte uncertainty.
FRAC_LIST	Fracture intensity	This table defines symbols that describe the general intensity of fracturing within rock.
GEOL_INT	Geologic intervals	This table provides important physical, relational, and other characteristics for successive intervals within drill holes, termed geologic intervals. Intervals are defined both by depths and elevations. Physical characteristics are lithology, alteration, minor alteration, fracture intensity, and lithophysal zones. Relational characteristics are stratigraphic assignment and stratigraphic assignments for bounding units.
GEOL_INT_DESC_LIST	Geologic intervals	This table defines symbols that provide important physical, relational, and other characteristics for successive intervals within drill holes, termed geologic intervals. Intervals are defined both by depths and elevations. Physical characteristics are lithology, alteration, minor alteration, fracture intensity, and lithophysal zones. Relational characteristics are stratigraphic assignment and stratigraphic assignments for bounding units.
GEOL_INT_REF	Citations for geologic interval characteristics	This table provides citations for sources of information that describe the physical and relational character of each geologic interval.
HUE_LIST	Component hue	This table provides the hue of the component described. Hues are those defined by the widely-used rock color chart published by the Geological Society of America.
LIGHT_TYPE_LIST	Point count light source	This table defines symbols that provide the least effective light source used for any petrographic analyses by point count. The most effective use of light source is a point count performed in reflected light but with transmitted light available to aid identifications.
LITH_GROUP_MAP	Lithologic group	This table defines general lithologic groups.
LITH_LIST	Lithology	This table defines symbols for lithologies of the southwestern Nevada volcanic field.
LOC_QA_LIST	Method to define coordinates	This table defines symbols that describe the method used to determine X, Y coordinates for a sample location. The table also includes measures of the quality of these coordinates.

TABLE_NAME	SHORT_DESC	LONG_DESC
LOC_SAM_SPLIT	Split type	This table provides the type of analysis for each split, and its location and sample ID's.
LOCATION	Describes sample locations	This table provides coordinates and elevations, and their uncertainties. Table also identifies the topographic quadrangle from which the sample was collected and the symbol for the map unit on a geologic map. Sources of information are identified in table location_ref.
LOCATION_REF	Sources of information for location	This table identifies sources of information for sample coordinates and elevations, and their uncertainties, and for the unit mapped at the sample location.
MA_CLAST	Individual clast analyses	This table provides a variety of information for each clast that includes its stratigraphic assignment, lithology, and alteration, its type, and area in thin section.
MA_CLAST_ALT	Clast alteration	This table describes a mineral or mineral assemblage and process that are dominant contributors to the observed mineralogy of the subject clast. The content of each mineral required to be considered dominant depends on the mineral; for example, zeolites and clays are considered dominant in concentrations of 20% or greater, calcite is considered dominant at 5% or greater, and kaolinite at 2% or greater. A mineral or mineral assemblage and process that are minor contributors to the observed mineralogy of the subject clast are described in table ma_clast_malt.
MA_CLAST_MALT	Clast minor alteration	This table describes a mineral or mineral assemblage and process that are minor contributors to the observed mineralogy of the subject clast. The content of each mineral required to be considered dominant depends on the mineral; for example, zeolites and clays are considered dominant in concentrations of 20% or greater, calcite is considered dominant at 5% or greater, and kaolinite at 2% or greater. A mineral or mineral assemblage and process that are dominant contributors to the observed mineralogy of the subject clast are described in table ma_clast_alt.
MA_GR_COMP	Grain component petrographic analyses	This table provides a variety of information for each grain component that includes its grain ID, unique grain component ID, area in thin section, mineral identity, and identifies any host clasts or minerals. This table also provides the number of points counted for the grain component, whether it is suitable for microprobe analysis, and the number of several different types of microprobe analyses that were performed. The table also identifies the petrographic analyst and date for analysis of the grain component, and the quality level of the analysis.
MA_GR_COMP_TEXTURE	Grain component textures	This table describes textural features observed for each grain component.
OXIDE_LIST	Analytes	This table defines the list of chemical analytes as forms that dominate their occurrence within terrestrial rocks, mostly oxides. This table also provides gravimetric factors to convert all oxide values to equivalent elemental values.
PA_COUNT	Points counted for petrographic analysis	This table provides the number of counts for one or more point counts for petrographic analysis, as well as the quality level for each count.

TABLE_NAME	SHORT_DESC	LONG_DESC
PA_MEAS_TYPE_LIST	Miscellaneous petrographic information	This table defines symbols that provide information occasionally obtained for petrographic analyses, mostly from analysis of grain mounts or mineral separates.
PA_MEASURE	Petrographic analyses	This table provides a petrographic analysis for each component, describes its alteration if the component is a mineral, the method used for its analysis, a citation for the source of the analysis, and the quality level of the analysis.
PA_METH_LIST	Petrographic method	This table defines symbols that represent methods used for petrographic analysis.
PA_MISC	Miscellaneous petrographic information	This table provides information occasionally obtained for petrographic analyses, mostly from analysis of grain mounts or mineral separates. Information allowed in this table is defined in table pa_meas_type_list.
PA_SPLIT	General petrographic information	This table provides general information usually obtained for most petrographic analyses, including the type and area of the thin section and method used to determine the area, the magnification and light sources used in the point count, and quality level for the analysis. If the thin section split represents a mineral separate, this table provides the type of mineral separated and method used for the separation.
PA_WORKER	Petrographic analyst	This table identifies the analyst, analysis date, and quality level for each component.
PHYSAE_LIST	Lithophysal zones	This table defines symbols that describe the general development of lithophysal zones within rock.
PROBE_END_MEMBERS	Mineral end members	This table provides end member contents for selected minerals. These values have been calculated from analyte concentrations determined by microprobe analysis.
PROBE_LOC_LIST	Microprobe analysis location	This table defines symbols that describe the general location for each microprobe analytical point within a particular grain component.
PROBE_MEASURE	Microprobe analyses	This table provides microprobe analyses in weight percent.
PROBE_REP	Microprobe analysis description	This table provides quality measures for each analysis by electron microprobe and also describes the location of the analytical point relative to the boundaries of the grain component analyzed.
PROBE_SPEC_LIST	Analyte spectrometer	This table defines symbols that describe the spectrometer used for microprobe analysis of a particular analyte.
PROBE_STANDARD_SET_LIST	Microprobe standard set	This table defines symbols that identify the set of microprobe standards used to provide reference intensities for each analyte in the analysis, as well as the spectrometer used for that analyte.

TABLE_NAME	SHORT_DESC	LONG_DESC
QA_LIST	QA level for petrographic analysis	This table defines values that represent the quality of multiple petrographic analyses for the same component, irrespective of method used in the analysis. The lowest values for QA level indicate the highest quality analyses. Only petrographic analyses with a QA level of 1 should be used except to compare petrographic data obtained by different methods.
QUAD_LIST	USGS quad	This table defines symbols for U.S. Geological Survey topographic quadrangles for locations in the database.
REF_LIST	Citations	This table defines symbols for full citations of data and methods reported in the database.
REF_STRAT_CODE_REF	Citations for symbols of reference stratigraphic symbols	This table defines symbols for citations that provide previously used symbols for reference stratigraphic units.
REF_STRAT_NAME_REF	Citations for names of reference stratigraphic units	This table defines symbols for citations that provide previously used names for reference stratigraphic units.
SAM_DESC_TYPE_LIST	Type of sample description	This table defines symbols that identify a sample description as either field or binocular microscope description.
SAM_TYPE_LIST	Sample type	This table defines symbols for the types of samples collected from the southwestern Nevada volcanic field, and defines groups of sample types.
SAMPLE	Sample characteristics	This table provides important physical, relational, and other characteristics of the sample. Physical characteristics are sample type and lithology. Relational characteristics are stratigraphic assignment, stratigraphic assignments for bounding units, and depths (if appropriate) and elevations for the sample and its bounding unit. This table also provides the date of sample collection.
SAMPLE_ALT	Alteration of sample	This table describes the alteration of each sample. Alteration reflects both the bulk mineralogy of a sample and the dominant process that yielded the observed mineral assemblage.
SAMPLE_AVAIL	Sample availability	This table provides storage locations and amounts available for original samples, prepared specialized splits of these samples, and original, unabridged field notes.
SAMPLE_COLOR	Sample colors	This table describes colors for components recognized in the binocular microscope description of each sample.
SAMPLE_DESC	Sample descriptions	This table provides original field and later binocular microscope descriptions for each sample.
SAMPLE_MALT	Minor alteration of sample	This table describes the minor alteration of each sample. Alteration is considered minor for a mineral in any concentration less than that which is considered to be part of a dominant assemblage.
SAMPLE_REF	Citations for sample characteristics	This table provides citations for sources of information that describe the physical and relational character of each sample.
SAMPLE_WORKER	Sample workers	This table identifies those who have described the physical and relational characteristics of samples.

TABLE_NAME	SHORT_DESC	LONG_DESC
SEP_METH_LIST	Method for mineral separation	This table defines symbols that describe the method used to prepare a split of a mineral separate.
SPLIT_REF	Citations for analytical methods and procedures	This table provides citations for analytical methods and procedures.
SPLIT_TYPE_LIST	Analysis type for sample split	This table defines symbols that identify the general analytical type for each split.
SPLIT_WORKER	Analysts	This table provides analysts and dates of analysis.
STANDARD_LIST	Microprobe standard descriptions	This table relates probe standard IDs used internally by each microprobe laboratory to more widely used names, and provides descriptions and citations for the source of reference analyte values for each standard.
STANDARD_OXIDE_VALUE_LIST	Microprobe standard analyses	This table provides analyses for microprobe standards used in this database, listed in table probe_standard_set_list.
STRAT	Stratigraphic units	This table defines symbols for stratigraphic units of the southwestern Nevada volcanic field., their model ages, and names and symbols for previous definitions of stratigraphic units. The table also contains columns useful for listing stratigraphic units in several orders.
STRAT_LIST	Stratigraphic units	This table defines symbols for stratigraphic units of the southwestern Nevada volcanic field, and also includes terms to represent stratigraphic constraints, such as unknown and unconstrained. Table strat provides model ages, and names and symbols for previous definitions of stratigraphic units, as well as columns useful for listing stratigraphic units in several orders.
TABLE_DESC	Description of tables	This table describes the tables and columns used within the database.
TEXTURE_LIST	Grain component texture	This table defines symbols that describe textural features observed for each grain component.
TOPIC_LIST	Topic for citation	This table defines symbols used to identify topics for citations of data, descriptions, or definitions.
UNITS_LIST	Concentration units	This table defines symbols and descriptions for concentration units associated with analytical values. Concentration units are always provided on a weight basis except for petrographic analyses, which are provided on a volume basis. The same concentration units are consistently used for each chemical analyte or petrographic component.
WORKER_LIST	Workers	This table defines symbols for workers who have contributed analyses, descriptions, or definitions to the database, and also provides their organization and its location.
XRD_MEASURE	XRD analyses	This table provides mineralogic analyses and their uncertainties for each XRD split.
XRD_METH_LIST	Method for XRD analysis	This table defines symbols that descnbe the method used for X-ray diffraction (XRD) analysis.

<i>TABLE_NAME</i>	<i>SHORT_DESC</i>	<i>LONG_DESC</i>
XRD_SPLIT	Method for XRD analysis	This table provides the method used for X-ray diffraction (XRD) analysis, the analyst, and the date of analysis. This table also provides other information such as reflection intensities when only these qualitative data are reported. Citations for these data are provided in this table.